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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/824,933	04/03/2001	Ming-Ren Lin	F0556	1551
45305	7590	10/04/2004	EXAMINER	
RENNER, OTTO, BOISSELLE & SKLAR, LLP (AMDS)			NGUYEN, KHIEM D	
1621 EUCLID AVE - 19TH FLOOR			ART UNIT	
CLEVELAND, OH 44115-2191			PAPER NUMBER	
			2823	

DATE MAILED: 10/04/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action	Application No. 09/824,933	Applicant(s) LIN, MING-REN	
	Examiner Khiem D Nguyen	Art Unit 2823	

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 20 September 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

PERIOD FOR REPLY [check either a) or b)]

- a) ☒ The period for reply expires 4 months from the mailing date of the final rejection.
- b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. ☐ A Notice of Appeal was filed on _____. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2. ☐ The proposed amendment(s) will not be entered because:
- (a) ☐ they raise new issues that would require further consideration and/or search (see NOTE below);
 - (b) ☐ they raise the issue of new matter (see Note below);
 - (c) ☐ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
 - (d) ☐ they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____

3. ☐ Applicant's reply has overcome the following rejection(s): _____.
4. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
5. ☒ The a) ☐ affidavit, b) ☐ exhibit, or c) ☒ request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.
6. ☐ The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7. ☒ For purposes of Appeal, the proposed amendment(s) a) ☐ will not be entered or b) ☒ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:


Claim(s) allowed: 1,2,5-9,11-15 and 21-24.

Claim(s) objected to: 3,4,10 and 25.

Claim(s) rejected: none.

Claim(s) withdrawn from consideration: none.

8. ☐ The drawing correction filed on _____ is a) ☐ approved or b) ☐ disapproved by the Examiner.
9. ☐ Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____.
10. ☐ Other: _____


W. DAVID COLEMAN
PRIMARY EXAMINER

Continuation of 5. does NOT place the application in condition for allowance because: In response to Applicant's contention that the term "dopant" is not used as something added to another material such as silicon to change its electrical conductivity or other electrical properties. Rather, as is clear from a reading of Applicant's specification, the term "dopant" is used in the more general sense of a material added in small or trace amounts to alter or to obtain desired properties of the material. Specifically, the Applicant stated that the dopant is a material added to a substrate to create the disclosed and claimed gettering sites, Examiner respectfully disagrees. Though, dopant ions such as phosphorus, arsenic, antimony, bismuth, boron, aluminum, gallium, indium, and germanium are considered as dopant materials in semiconductor devices. Ideal gases such as helium, neon, argon, krypton and xenon are not considered as dopant materials in semiconductor devices. These ideal gases, when doped with another material do not change electrical conductivity or other electrical properties of the material. Applicant's attachment submitted on September 20th, 2004 does not provide sufficient evidence to show that ideal gases such as "helium, neon, argon, krypton, and xenon" could be used as the dopant ions as cited in the Applicant's claimed invention. The definition of the word "dope" only shows example of boron or arsenic could be used as the dopant ions. Thus claims 3, 10, and 25 remain objected in this application, correction and omission of these ideal gases are respectfully required..